

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method in a data processing system for monitoring processing of instructions, the method comprising:
- receiving, from an instruction storage area storing instructions, an instruction at a processor for execution;
- responsive to a determination of being in an enabled state to perform a selected action, determining whether the instruction is associated with [[an]] a performance indicator stored in a shadow memory, the shadow memory comprising a storage area separate from [[an]] the instruction storage area in which the instruction is stored and storing performance indicators associated with instructions stored in the instruction storage area; and
- performing the selected action ~~in response to the~~ if a performance indicator being is associated with the instruction.
2. (Currently amended) The method of claim 1, ~~wherein the instruction is received in an instruction cache and~~ further comprising:
- executing the instruction after receiving the instruction for execution.
3. (Previously presented) The method of claim 1, wherein the determination of being in an enabled state comprises:
- examining a register in the processor; and
- determining whether the register is set to indicate the enabled state.
4. (Original) The method of claim 1, wherein the selected action includes at least one of sending the instruction to a performance monitor unit, sending the instruction to a data cache, and sending the instruction to an interrupt unit.
5. (Original) The method of claim 1, wherein the instruction is received in a bundle.
6. (Original) The method of claim 1, wherein the enabled state is enabled by setting a register in a processor.